

PATENT ABSTRACTS OF JAPAN

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(54) ENCIPHERMENT SYSTEM

(57)Abstract:

PURPOSE: To provide a comparatively safe self-inversion and symmetrical key cipher system which can easily encipher and decode an original message of variable length by means of an 8-bit microcomputer in a cipher system of a cellular telephone system.

CONSTITUTION: This cipher system uses a comparatively safe self-inversion and symmetrical cipher system that can effectively operate through an 8-bit microcomputer and can be applied to a cellular telephone system in particular and comprises the following following three steps. That is, (1) the automatic key encipherement (501), (2) the application of a cipher communication method of only one time using a key that is derived from a part of the message enciphered in the 1st step (502), and (3) the 2nd automatic key decoding that is inverse to the 1st step (503).

